

Message

From: MacKnight, Evelyn [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=3ED076E9D00A4845AEF8B34285FB42FA-EMACKNIG]
Sent: 7/25/2018 2:16:48 PM
To: Scott G Mandirola [Scott.G.Mandirola@wv.gov]
Subject: FYI Re: ionic toxicity

This is the request that we had put through to HQs for \$25K for FY'19. Mostly development work. Don't know for sure whether we have the money, but it's likely.

West Virginia Constructive Submission – Ionic Stress TMDLs: \$250,000 total requested

- Facilitation Support for Ionic Toxicity TMDL Endpoint Technical Advisory Committee (TAC): \$25,000
 - Organize monthly conference calls of the TAC to discuss TMDL endpoints and approaches for TMDL development.
- Technical Support for Ionic Toxicity TMDL Endpoint Development: \$50,000
 - Assist EPA and WV in developing a scientifically defensible numeric TMDL endpoint(s) for ionic toxicity. The contractor will use the water quality and biological data provided by EPA and WV and perform technical and statistical analyses to determine the endpoint.
- Ionic Toxicity TMDL Model Selection: \$25,000
 - Assist EPA and WV in determining the appropriate model to address waters impaired by ionic toxicity. Source characterization of ionic toxicity including mining, wastewater treatment plants, straight pipes, etc. will be incorporated into the model. A memo will be prepared summarizing the model selection, including model programs, modeling timeframe, watershed boundaries, etc.
- Ionic Toxicity TMDL Modeling QAPP Development: \$50,000
 - Prepare modeling QAPP for ionic toxicity TMDL modeling.
- Ionic Toxicity TMDL Model Development: \$100,000
 - Develop models incorporating recent data and information supplied by WV and EPA. The contractor will develop a calibrated and validated model, TMDL allocation scenarios and a modeling report.

Evelyn

Associate Director, Office of Standards, Assessment, and TMDLs (3WP30)
Water Protection Division
U.S. EPA Region III
Tel (215) 814-5717
Fax (215) 814-2318
macknight.evelyn@epa.gov